

RUN DATE: 10/30/08 14:06
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Superfund Migration of Contaminated Ground Water Under Control Worksheet

05 AN

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INTERNAL USE ONLY

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Region: 05 Section: _____ Primary RPM: JEFFREY GORE

Site Name: ALBION-SHERIDAN TOWNSHIP LANDFILL EPA ID: MID980504450

GW Survey Status: Contaminated Ground Water Migration Under Control

Justification Date: _____ Justification Type: _____

Estimated Under Control Date: _____

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?

Answer: **Yes**

No → Stop, you do not need to complete the GM EI

Yes ↓

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?

Answer: **Yes**

SDMS/Control Number:

List Reference Document(s): 8/15/07

Five Year Review 9/6/02

Insufficient Data/No →

Yes ↓

Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?

Answer: **Yes**

SDMS/Control Number:

List Reference Document(s): 8/15/07

Five Year Review 9/6/02

Insufficient Data/No →

Yes ↓

Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?

Answer: **Yes**

SDMS/Control Number:

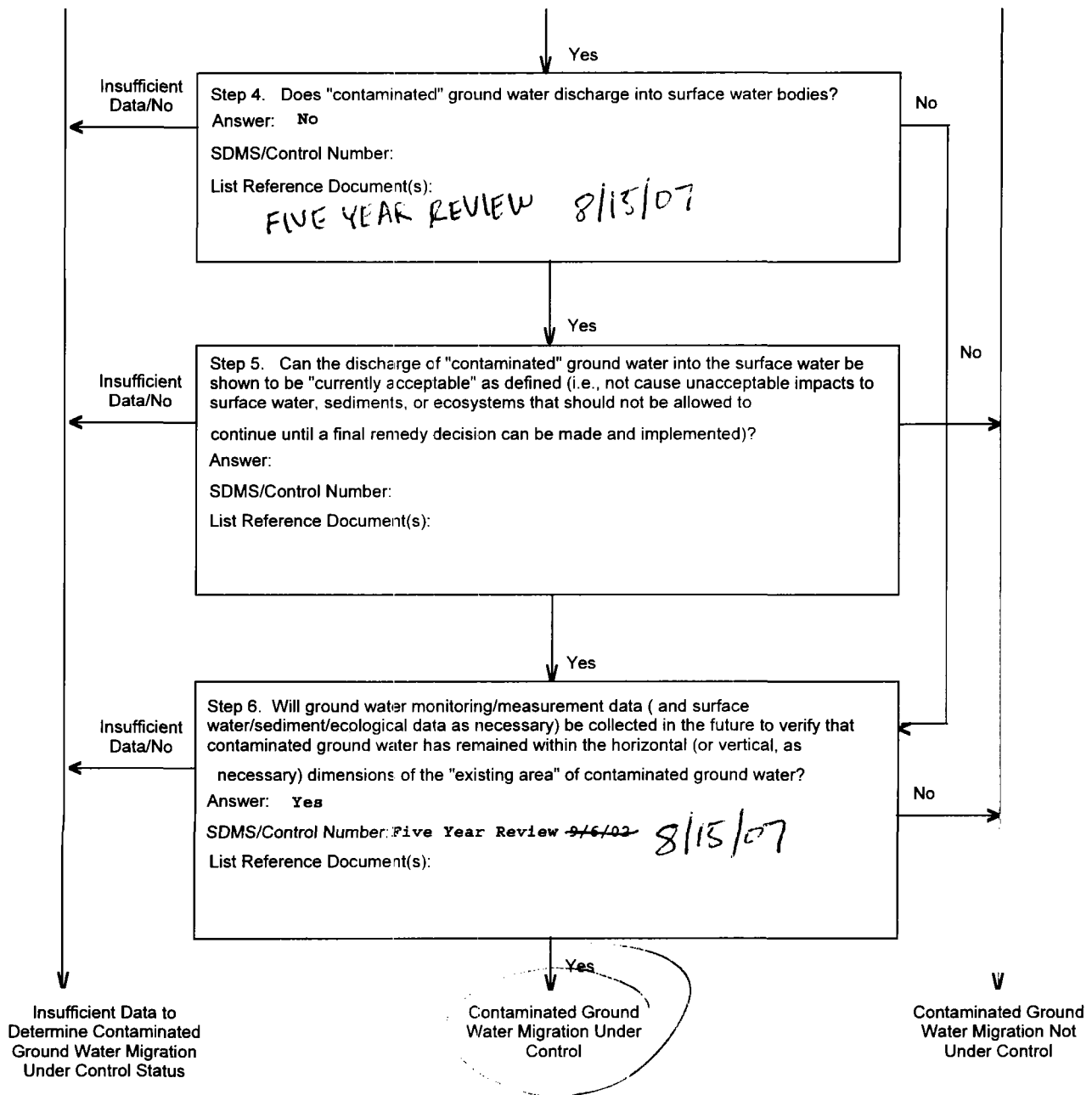
List Reference Document(s): 8/15/07

Five Year Review 9/6/02

Insufficient Data/No →

No → Contaminated Ground Water Migration Under Control

EPA Region 5 Records Ctr.
372603



Approvals (Initial and Date)

RPM	Section Chief	Technical Review	Branch Chief	IMC	Data Entry
<i>[Signature]</i> 12/14/08	<i>[Signature]</i> 12/8/08	<i>[Signature]</i> 2/9/09			<i>[Signature]</i> 6/19/09

Superfund Environmental Indicators Survey
Long-Term Human Health Protection & Groundwater Migration Under Control

Step 1. Site Information

Region: 5
State: MI
EPA ID: MID980504450
Site Name: ALBION-SHERIDAN TOWNSHIP LANDFILL
Construction Complete: ☒ Yes ☐ No

Step 2. Long-Term Human Health Protection

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

- ☐ Insufficient data to determine HE ☐ Current exposures not controlled ☐ Current exposures not controlled but some human exposures control achieved
☐ Current exposures controlled ☒ Current exposures controlled and protective remedy in place ☐ Long-term human health protection achieved

Step 3. Contaminated Groundwater Migration Under Control

Does the site have contaminated groundwater? (In the universe of 1180 groundwater sites identified as of EOY 2000).

- ☒ Yes ☐ No (Go to Step 4)

Is the migration of contaminated groundwater from the site being controlled through engineered remedies or natural processes?

- ☒ Yes ☐ No ☐ Insufficient Data

Step 4. Regional Contact Information

Completed by :

(signature)

(print)

(title)

(phone)

Date

(signature)

(print)

(title)

(phone)

Date

Jeff Gore
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RPM
312-886-6552
9/19/05
Donnel A. Bruce
DON BRUCE
SECTION CHIEF
312-886-7241
9/20/05

KS 9-27-05

Region: 5
State: ME
EPA ID: MD-730504450
Site Name: ALBION-SHERIDAN LANDFILL

Estimated Control Date: _____

Superfund Long-Term Human Health Protection Worksheet

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Step 1. Is enough information available to evaluate the status of human exposure control using this indicator?

List Reference Document(s) and SDMS Number(s): 5 YEAR REVIEW 9/6/02

No → Insufficient Data to Determine Human Exposure Control Status

Yes → Step 2. Have all human exposure-related cleanup goals been met for the entire site?

List Reference Document(s) and SDMS Number(s): 5 YR REVIEW 9/6/02

Yes → Long-Term Human Health Protection Achieved

No → Step 3. Are there complete human exposure pathways between contaminated groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions?

List Reference Document(s) and SDMS Number(s): 5 YR. REVIEW 9/6/02

No → Skip to Step 6

Yes → Step 4. Are the potential human exposures associated with complete pathways within acceptable limits under current conditions?

List Reference Document(s) and SDMS Number(s): _____

No → Current Human Exposures Not Controlled

Yes → Step 5. Have any actions been taken since EPA first exercised removal or remedial authority at the site that have significantly reduced the level of previously unacceptable human exposure under current conditions?

List Reference Document(s) and SDMS Number(s): _____

No → Current Human Exposures Not Controlled But Some Exposure Control Achieved

Yes → Step 6. Is the site Construction Complete, is the remedy operating as intended, and are engineering and institutional controls, if required, in place and effective?

List Reference Document(s) and SDMS Number(s): 5 YR. REVIEW 9/6/02

No → Current Human Exposures Controlled

Yes → Current Human Exposure Controlled and Protective Remedy in Place

Region:
State:
EPA ID:
Site Name:

5
MT
MID780504450
ARBION-SHERIDAN LANDFILL

Estimated Control Date: _____

Superfund Migration of Contaminated Ground Water Under Control Worksheet

Definition: Is the migration of contaminated ground water being controlled through engineered or natural processes?

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?

No → Stop, you do not need to complete the GM EI

Yes →

Insufficient Data/No → Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?

5 YEAR REVIEW 9/6/02

List Reference Document(s): _____

Yes →

Insufficient Data → Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?

5 YEAR REVIEW 9/6/02

List Reference Document(s): _____

Yes →

Insufficient Data → Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?

5 YEAR REVIEW 9/6/02

List Reference Document(s): _____

Yes →

Insufficient Data → Step 4. Does "contaminated" ground water discharge into surface water bodies?

(No)

List Reference Document(s): _____

Yes →

Insufficient Data → Step 5. Can the discharge of "contaminated" ground water into surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?

No

List Reference Document(s): _____

Yes →

Insufficient Data → Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?

5 YEAR REVIEW 9/6/02

List Reference Document(s): _____

Yes → Contaminated Ground Water Migration Under Control

No → Contaminated Ground Water Migration Not Under Control

Insufficient Data to Determine Contaminated Ground Water Migration Under Control Status

Superfund Environmental Indicators Survey
Human Exposure Under Control & Groundwater Migration Under Control

Step 1. Site Information

Region: 5

State: MI

EPA ID: MID980504450

Site Name: ALBION-SHERIDAN TOWNSHIP LANDFILL

Construction Complete: ☒ Yes ☐ No

Step 2. Human Exposure Under Control

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

☒ Yes ☐ No ☐ Insufficient Data

Step 3. Contaminated Groundwater Migration Under Control

Does the site have contaminated groundwater? (In the universe of groundwater sites identified as of EOY 2000).

☒ Yes ☐ No (Go to Step 4)

Is the migration of contaminated groundwater from the site being controlled through engineered remedies or natural processes?

☒ Yes ☐ No ☐ Insufficient Data

Step 4. Regional Contact Information

Completed by :

(signature)

(print)

(title)

(phone)

Date

Supervisor:

(signature)

(print)

(title)

(phone)

Date

Jeff Gore
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RPM
312-886-6552
1/3/01

Jeff Gore
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312-886-6552
1/8/01

Superfund Human Exposures Controlled Worksheet

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

Region: 5
State: MI
EPA ID: MI0980504450
Site Name: ALBION-SHERIDAN LANDFILL

No/ Insufficient data

Step 1. Based on the most current data for the site, has all available relevant/significant information on known contaminants to soil, groundwater, surface water/sediments, and air at the NPL site been considered in this EI determination?

List site reference document: PRELIMINARY CLOSE-OUT REPORT 9/28/99

Yes

Step 2. Are groundwater, soil, surface water, sediments, or air media known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from known contaminants?

List site reference document: PCOR 9/28/99

Yes

Step 3. Are there complete pathways between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

List site reference document: PCOR 9/28/99

No

Yes

Step 4. Are the potential exposures from Step 3 within acceptable limits under current (land and groundwater use) conditions (e.g., within the cancer risk range or $HI \leq 1$)?

List site reference document: _____

No

Yes

INSUFFICIENT DATA,
More information needed
to make determination

NO, Site Does Not Meet Definition

YES, Site Does Meet Definition

Superfund Groundwater Releases Controlled Worksheet

Definition: Is the migration of contaminated groundwater from the site being controlled through engineered or natural processes?

Region: 5
State: MI
EPA ID: MI0780504750
Site Name: ALLEN-SHERIDAN LANDFILL

		No/ Insufficient data
Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to the groundwater been considered in this EI determination?		
List site reference document:	<u>PRELIMINARY CLOSE-OUT REPORT 9/28/99</u>	
	Yes	
Step 2. Is groundwater known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) anywhere at, or from, the facility?		NO, Site meets definition
List site reference document:	<u>PCOR 9/28/99</u>	
	Yes	
Step 3. Is the migration of contaminated groundwater stabilized (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater" as defined by the monitoring locations designated at the time of this determination)?		No
List site reference document:	<u>PCOR 9/28/99</u>	
	Yes	
Step 4. Does "contaminated" groundwater discharge into surface water bodies?		No
List site reference document:		
	Yes	
Step 5. Can the discharge of "contaminated" groundwater into surface water be shown to be "currently acceptable" (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?		No
List site reference document:		
	Yes	
Step 6. Will groundwater monitoring/measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater"?		No
List site reference document:	<u>PCOR 9/28/99</u>	
	Yes	
INSUFFICIENT DATA, More information needed to make determination		YES, Site Does Meet Definition
		NO, Site Does Not Meet Definition

Superfund Environmental Indicators Survey
Human Exposure Under Control & Groundwater Migration Under Control

Step 1. Site Information

Region: 5
State: MI
EPA ID: MID980504450
Site Name: ALBION-SHERIDAN TOWNSHIP LANDFILL
Construction Complete: ☒ Yes ☐ No

Step 2. Human Exposure Under Control

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

☒ Yes ☐ No ☐ Insufficient Data

Step 3. Contaminated Groundwater Migration Under Control

Does the site have contaminated groundwater? (In the universe of groundwater sites identified as of EOY 2000).

☒ Yes ☐ No (Go to Step 4)

Is the migration of contaminated groundwater from the site being controlled through engineered remedies or natural processes?

☒ Yes ☐ No ☐ Insufficient Data

Step 4. Regional Contact Information

Completed by :

(signature)

(print)

(title)

(phone)

Date

Supervisor:

(signature)

(print)

(title)

(phone)

Date

Rev
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39
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Superfund Human Exposures Controlled Worksheet

Are all identified human exposure pathways from contamination at the site under control or below health-based levels for current land and/or groundwater use conditions? "Under control" means that adequately protective controls are in place to prevent any unacceptable human exposure under current land- and groundwater- use conditions only. This environmental indicator does not consider potential future land- or groundwater- use conditions nor ecological receptors.

Region: 5
State: MI
EPA ID: MI0980504450
Site Name: ALBION-SHERIDAN LANDFILL

No/ Insufficient data

Step 1. Based on the most current data for the site, has all available relevant/significant information on known contaminants to soil, groundwater, surface water/sediments, and air at the NPL site been considered in this EI determination?

List site reference document: PRELIMINARY CLOSE-OUT REPORT 9/28/99

Yes

Step 2. Are groundwater, soil, surface water, sediments, or air media known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from known contaminants?

List site reference document: PCOR 9/28/99

Yes

Step 3. Are there complete pathways between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

List site reference document: PCOR 9/28/99

No

Yes

Step 4. Are the potential exposures from Step 3 within acceptable limits under current (land and groundwater use) conditions (e.g., within the cancer risk range or $HI \leq 1$)?

List site reference document: _____

No

Yes

INSUFFICIENT DATA,
More information needed
to make determination

NO, Site Does Not Meet Definition

YES, Site Does Meet Definition

Superfund Groundwater Releases Controlled Worksheet

Definition: Is the migration of contaminated groundwater from the site being controlled through engineered or natural processes?

Region: 5
State: MI
EPA ID: MI D980504450
Site Name: ALEION-SHERIDAN LANDFILL

No/ Insufficient data

Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to the groundwater been considered in this EI determination?
List site reference document: PRELIMINARY CLOSE-OUT REPORT 9/28/99

Yes

Step 2. Is groundwater known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) anywhere at, or from, the facility?
List site reference document: PCOR 9/28/99

NO, Site meets definition

Yes

Step 3. Is the migration of contaminated groundwater stabilized (such that contaminated groundwater is expected to remain within "existing area of contaminated groundwater" as defined by the monitoring locations designated at the time of this determination)?
List site reference document: PCOR 9/28/99

No

Yes

Step 4. Does "contaminated" groundwater discharge into surface water bodies?
List site reference document: _____

No

Yes

Step 5. Can the discharge of "contaminated" groundwater into surface water be shown to be "currently acceptable" (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?
List site reference document: _____

No

Yes

Step 6. Will groundwater monitoring/measurement data (and surface water/sediment/ecological data, as necessary) be collected in the future to verify that contaminated groundwater has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area of contaminated groundwater"?
List site reference document: PCOR 9/28/99

No

Yes

INSUFFICIENT DATA,
More information needed
to make determination

YES, Site Does Meet Definition

NO, Site Does Not Meet Definition

Superfund Long-Term Human Health Protection Worksheet

Definition: The Long-Term Human Health Protection EI documents the progress achieved towards providing long-term human health protection by measuring the incremental progress achieved in controlling unacceptable human exposures at a site.

Site Name: **ALBION-SHERIDAN TOWNSHIP LANDFILL**

EPA ID: **MID980504450**

HE Survey Status: **Current Human Exposure Controlled and Protective Remedy in Place**

Estimated Current Control Date:
(if not under control)

Estimated LTHHP Control Date: **9/30/2025**
(if not under control)

Step 1. Is enough information available to evaluate the status of human exposure control using this indicator?

Answer: **Yes**

List Reference Document(s): **Five Year Review 9/6/02**

No

Insufficient Data to Determine Human Exposure Control Status

Yes

Step 2. Have all human exposure-related cleanup goals been met for the entire site?

Answer: **No**

List Reference Document(s): **Five Year Review 9/6/02**

Yes

Long-Term Human Health Protection Achieved

No

Step 3. Are there complete human exposure pathways between contaminated groundwater, surface water, soil, sediment or air media and human receptors such that exposures can be reasonably expected under current conditions?

No

Answer: **No**

List Reference Document(s): **Five Year Review 9/6/02**

Yes

Skip to Step 6

Yes

Step 4. Are the potential human exposures associated with complete pathways within acceptable limits under current conditions?

Answer:

List Reference Document(s):

No

Step 5. Have any actions been taken since EPA first exercised removal or remedial authority at the site that have significantly reduced the level of previously unacceptable human exposure under current conditions?

Answer:

List Reference Document(s):

No

Current Human Exposures Not Controlled

Yes

Current Human Exposures Not Controlled But Some Exposure Control Achieved

No

Current Human Exposures Controlled

Yes

Current Human Exposure Controlled and Protective Remedy in Place

Step 6. Is the site Construction Complete, is the remedy operating as intended, and are engineering and institutional controls, if required, in place and effective?

Answer: **Yes No**

List Reference Document(s): **Five Year Review 9/6/02**

Remedial Project Manager: **JEFFREY GORE**

Date Completed

1/7/08

Shady Beach for DB 1/7/08

Int 1/25/08

Superfund Migration of Contaminated Ground Water Under Control Worksheet

Definition Is the migration of contaminated ground water being controlled through engineered or natural processes?

Site Name: **ALBION-SHERIDAN TOWNSHIP LANDFILL**

EPA ID: **MID980504450**

GW Survey Status: **Contaminated Ground Water Migration Under Control**

Estimated Under Control Date (if not under control):

Justification Text: If site status has changed. Please enter a justification as to why the status has changed:

Q. Does the site currently have contaminated ground water or did site conditions warrant EPA's investigation or remediation of ground water contamination in the past?		No	Stop, you do not need to complete the GM EI
Answer: Yes			
Yes			
Insufficient Data/No	Step 1. Based on the most current data on the site, has all available relevant/significant information on known and reasonably suspected releases to ground water been considered in this determination?		
	Answer: Yes List Reference Five Year Review 9/6/02 Document(s):		
Yes			
Insufficient Data/No	Step 2. Is ground water known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, or criteria) as a result of a release from the site?		
	Answer: Yes List Reference Five Year Review 9/6/02 Document(s):		
Yes			
Insufficient Data/No	Step 3. Is the migration of contaminated ground water stabilized (such that contaminated ground water is expected to remain within "existing area of contaminated ground water") as defined by the monitoring locations designated at the time of this determination?		
	Answer: Yes List Reference Five Year Review 9/6/02 Document(s):		
Yes			
Insufficient Data/No	Step 4. Does "contaminated" ground water discharge into surface water bodies?		
	Answer: No List Reference Document(s):		
Yes			
Insufficient Data/No	Step 5. Can the discharge of "contaminated" ground water into the surface water be shown to be "currently acceptable" as defined (i.e., not cause unacceptable impacts to surface water, sediments, or ecosystems that should not be allowed to continue until a final remedy decision can be made and implemented)?		
	Answer: List Reference Document(s):		
Yes			
Insufficient Data/No	Step 6. Will ground water monitoring/measurement data (and surface water/sediment/ecological data as necessary) be collected in the future to verify that contaminated ground water has remained within the horizontal (or vertical, as necessary) dimensions of the "existing area" of contaminated ground water?		
	Answer: Yes List Reference Document(s):		
Yes			
Insufficient Data to Determine Contaminated Ground Water Migration Under Control Status		Contaminated Ground Water Migration Under Control	
		Contaminated Ground Water Migration Not Under Control	

Remedial Project Manager: **JEFFREY GORE**

Date Completed

4/14/07

2/27/07

DB. 3/8/07

6/7/07